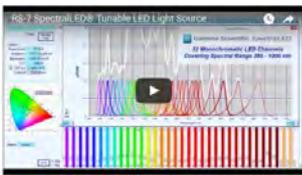


Gamma Scientific's tunable LED light source in webinar demo on September 12th



Video of software capabilities



Fibre-optic option

Gamma Scientific's **RS-7 SpectralLED™ Tunable LED Light Source** delivers superior spectral resolution and accuracy with higher brightness and a broader colour gamut than any other currently available halogen or LED-based source for camera and image sensor calibration.

The RS-7 features 35 discrete LED channels, each having 16-bit resolution in intensity settings enabling it to be programmed to produce a uniform output that closely matches virtually any illuminant source in a single compact and versatile instrument.

Gamma Scientific, in conjunction with *Laser Focus World* magazine, are delivering an exciting **Webinar** presentation **tomorrow** that will provide in-depth product information, typical applications, and visual demonstrations of the flexible software and production interface capabilities that give the SpectralLED so many advantages over traditional halogen and other LED light sources.

SpectralLED™ can sweep through wavelengths to simulate a scanning monochromator, but with the advantage of no moving parts. In addition to superior spectral resolution and accuracy, the SpectralLED™ also offers about 10x higher brightness than any competitive product. This allows measurements over a much larger, linear dynamic range, and is sufficient to illuminate virtually any detector at levels up to saturation.

Typical programmed SpectralLED™ output profiles:

- Blackbody
- Daylight
- Fluorescent
- LED & CIE



Register for the Webinar [here](#) or, for more information, [contact us](#).

A-H enable precision metrology via capacitance measurement in a multitude of applications

Andeen-Hagerling has been manufacturing class-leading capacitance and capacitance/loss bridge test equipment for over thirty years. Their equipment is used in laboratories worldwide, in a wide variety of research and industrial applications. These include:



- Atomic Layer Deposition (ALD)
- Dielectric characterisation
- Glasses
- Spectroscopy
- Gravity
- Liquid crystals
- Magnetometry
- Low temperature physics
- Nano-force metrology
- Quantum Dots
- Tunneling
- Dilatometry:
 - Thermal expansion
 - Magnetostriction
- Biophysics
- Carbon nanotubes & nanowires
- Electrical/Capacitance metrology
- Ferroelectrics
- Semiconductor testing
- Precision positioning
- Pressure/Capacitive Bolometry
- Scanning Capacitance Microscopy (SCM)
- Scanning Tunneling Microscopy (STM)
- Single Electron Tunneling (SET)
- Structure & Phase transitions
- Superconductivity & Superfluids
- Magneto-capacitance, -resistance & -dielectric effects

Elliot Scientific is able to offer expert advice on selecting the right Andeen-Hagerling instrument for your project, so please [contact us](#) with details of the application and we will be happy to help.

Lake Shore's temperature sensor data is now online



Lake Shore is now offering all their temperature sensor information in one convenient online page. The new **Sensors' page** contains links to:

- o Datasheets
- o Installation instructions
- o Application notes
- o Catalogue pages
- o Standard curve data
- o Performance data
- o Certifications
- o **Calibration files**

Over the coming months, Lake Shore will migrate away from shipping calibration data CDs with calibrated sensors and will instead only offer this data via a portal accessible from the new page.



Data is currently available online for sensors shipped since the beginning of 2016, so if an existing CD is lost or damaged, the calibration data can be quickly downloaded providing you have the serial number of the relevant sensor on hand. Alternatively, contact Lake Shore Service for archived curves.

A diffraction limited circular beam is a μ LS priority



Micro Laser Systems (μ LS) manufacture diode laser modules and instruments with an emphasis on optical packaging to provide diffraction limited, circular beams with low wavefront error and low divergence. Options allow for large collimated beams or sub-micron focused spots.

Among the products μ LS offer are:

- Fibre-coupled lasers
- Wavelengths up to 1600 nm
- High performance diode lasers
- Fibre collimators & focusers
- Multimode fibre Receiver/Collector
- Free space lasers

Micro Laser Systems also produce diode laser drivers and TEC controllers in both bench-top and OEM versions so do please **contact us** for more details.

Elliot Scientific will be exhibiting at the following forthcoming events ...



Photonics Ireland 2017

Radisson Blu Hotel, Galway: 13th to 15th September 2017



Photonex 2017

Ricoh Stadium, Coventry: 11th and 12th October 2017



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